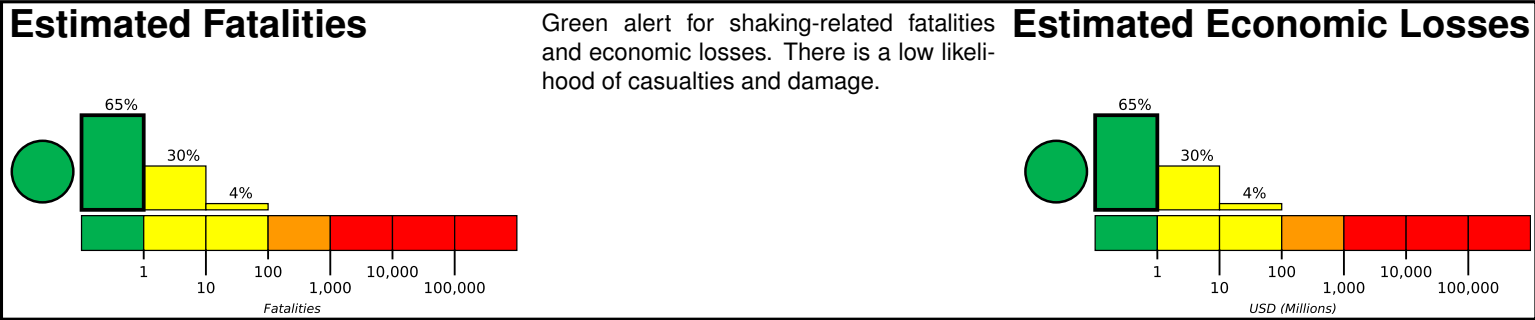


M 5.4, 59 km NNE of Nargan, Panama

Origin Time: 2023-08-29 04:59:21 UTC (Mon 23:59:21 local)
Location: 9.9476° N 78.4014° W Depth: 10.0 km

PAGER Version 3

Created: 2 hours, 3 minutes after earthquake

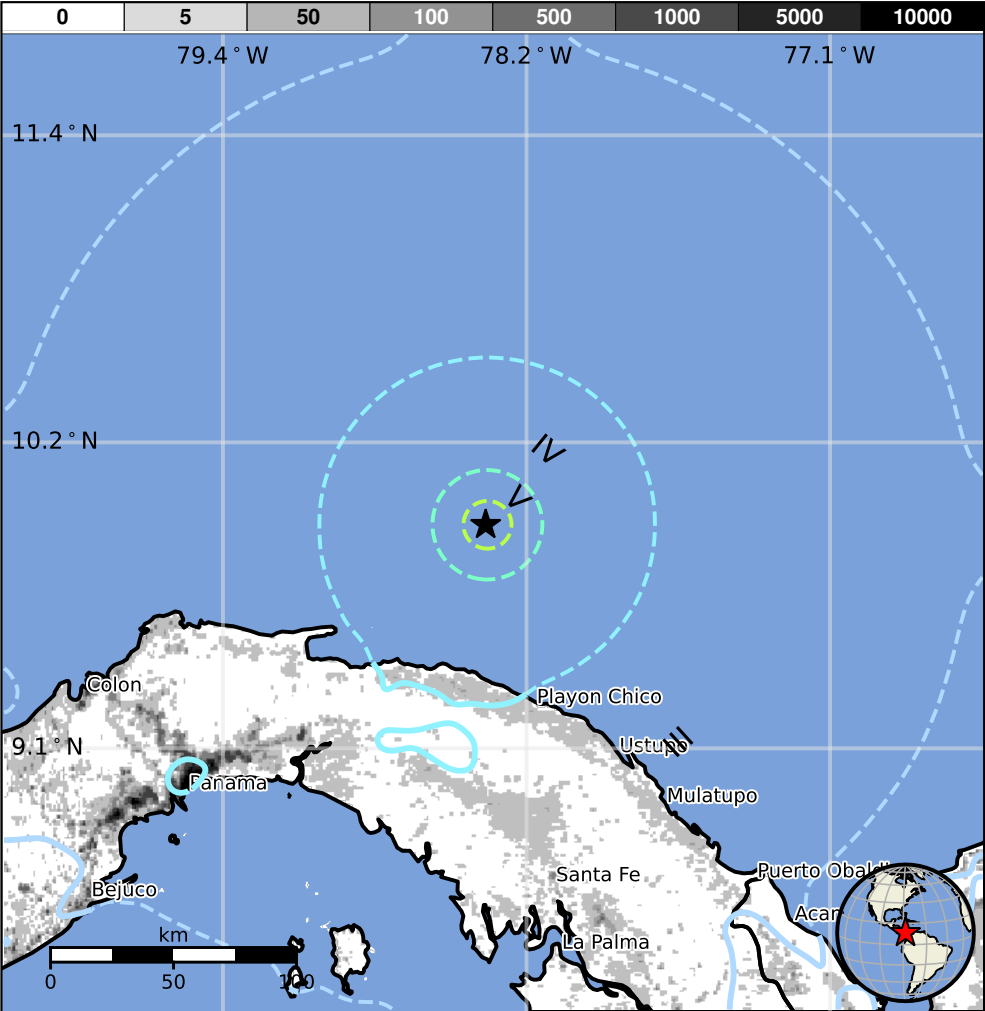


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,324k	1,320k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1992-10-18	364	7.1	IX(22k)	1
1977-08-31	379	6.5	IX(4k)	3
1974-07-13	260	7.3	IX(2k)	11

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Panama	408k
IV	Ancon	9k
IV	Nargana	1k
IV	La Cabima	18k
IV	San Miguelito	322k
IV	Las Cumbres	69k
III	Tocumen	89k
III	El Porvenir	0
III	Arraijan	77k
III	Colon	77k
III	La Palma	2k